

# **VAULT MANAGER**

## **DOMAIN**

An application for maintaining and validating our highly sensitive credentials within the Internet.

## **ABSTRACT**

Passwords are the real vegetables of the internet in this entire remote going world. In this quick changing and adapted remote world with an exponential increase of the passwords across different services and applications being provided by the end users and those people who are working from home or outside an office i.e(intranet) requires some strong passwords to maintain their security among the vulnerable prone attacks. Since this is one of the craziest thing to remember and memorize each and every kind of a password being used for our personal profiles,social service profile,financial services and other trading and common multimedia applications,etc....Still **“123456”** tops the list in common password list breach as released by the common security research organization.The problem is, most of us don't know to use and categorize between strong , good and secure passwords. So this is an application which provides us to generate or

create , manage, validate and provide security measures for building a strong password being used around the web. The major goal of this application is to have a dedicated manager to manage and overcome these kind of critically careless and easy target vulnerable situations.

### **1) GENERATE A STRONG PASSWORD :**

Here users can generate a strong secure password to be used for their needs in the Internet.

### **2) MANAGE OUR PASSWORDS :**

Blindly use any number of passwords and feel free to manage those passwords here and be vaulted.

### **3) VALIDATE OUR PASSWORDS :**

Now what shall we do with the passwords being used and to be used?? So this is the section is to check the strength of the passwords and validating the user to make replacements in their password usage or else continuing with the same one.

### **4) FEED AND BREACH POSSIBILITIES :**

A feed section of dynamically updated guides and articles related to each and every common password leaks occurring through the entire web. Additionally here we can check whether our credentials are being pwned in other data breach to reduce the risk of common password attacks.

### **5)EXPORT :**

An encrypted copy of our saved passwords to reduce the risk of intruders of not able to read the contents of the file.

### **SOFTWARE REQUIREMENTS :**

Front and backend (Dart)[Flutter] , Firebase (Firestore) .